Docket No.:

242831US0

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

GROUP: 1796

Hiroshi TAKEI, et al.

SERIAL NO:

10/667,671

EXAMINER: ZIMMER

FILED:

September 23, 2003

FOR:

HEAT CONDUCTIVE SILICONE RUBBER COMPOSITE SHEET

DECLARATION UNDER 87 C.F.R. § 1.132

COMMISSIONER FOR PATENTS ALEXANDRIA, VIRGINIA 22313

Sir:

Now comes Akio SUZUKI who deposes and states that:

- I am a graduate of OSAKA UNIVERSITY and received my bachelor's degree in the year 1975.
- 2. I have been employed by Shin Etsu Chemical Co., Ltd. for 33 years as a researcher for R&D in the field of applications of silicones.
- 3. The materials used for the intermediate layers of the present invention are non-porous. This is evidenced by the enclosed product information sheets (5 pages, which are incorporated herein by reference) of TEONEX which is a polyethylene-naphthalate (PEN) film from Teijin DuPont Films. TEONEX is used in Example 3 at page 15, line 6 of the specification as a material for the intermediate layer. TEONEX is non-porous and thus no pore size is specified.
- 4. The undersigned petitioner declares further that all statements made herein of his own knowledge are true and that all statements made on information and belief

are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issuing thereon.

5. Further deponent saith not.

Akio SUZUKI

January 28, 2008

Date

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Tel. (703)413-3000
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(OSMMN 05/06)

Mylaro, Melinexo, Teijino Tetorono and Teonexo PET/PEN polyester films, only from Teijin DuPont Films.



Innovation for Growth

Japanese

HOME > PRODUCTS

■ PRODUCTS

introduction of products, applications and properties



P P A

PRODUCTS

Applications

PRODUCTS

PET Film

PET Film (Bi-axially oriented polyethylene terephthalate film) has earned a world-wide reputation as a key material with a good cost performance in a range of industrial applications. In addition to well balanced chemical and physical properties, our PET Film has taken an excellent position in the PET Film industry because of its superior quality, uniformity and consistency.

Telijnæ Tetoronæ Film

MLF(Multilayer Film) HFF(Highly Formable Film)

Melinexo

Mylare

PRINCIPAL

PEN Film has many superior properties such as strength, heat resistance, antihydrolysis, dimensional stability, low oligomer extraction, etc. This excellent film has the potential to replace other engineering films with good cost performance. PEN Film also has the same handling properties as PET Film. It is expected to be applicable for advanced uses in new markets.

- Teonex®

Comparison of characteristics between PEN and other engineering plastics

Processed Film

"Processed Films" are highly functional films with additional chemical and/or physical treatment on Teijine Tetorone, Teonexe polyester Films. We are offering Processed Films as custom made products provided by a wide range of Teijin DuPont Films advanced chemical technologies. We have a continuing commitment to provide innovative solutions to emerging markets, especially in electronics and optical material applications.

Purexo

CurrentFine®

Sand Matte Film

Super low shrinkage Film

ilicensed to Tellin DuPont Films Japan Limited.

Industrial Packaging Electrical insulation Film larminated can Capacitor General packaging Processing Film etc. etc. Top of page Privacy Statement Copyright ● 2003-2007 Taijin DuPont Films Teonexa, Purexae, HFF **, and Currentfilme ** are the registered trademark and trademarks of Teijin DuPont Films Japan Limited. Mylare and I of DuPont Teijin Films U.S. Limited Partnership and are licensed to Teijin DuPont Films Japan Limited. Teijine and Tetorone are registered trademarks.

Mylare, Melinexe, Teljine Tetorone and Teonexe PET/PEN polyester films, only from Teljin DuPont Films.



Innovation for Growth

Japanese

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■PEN Film

Teonex®

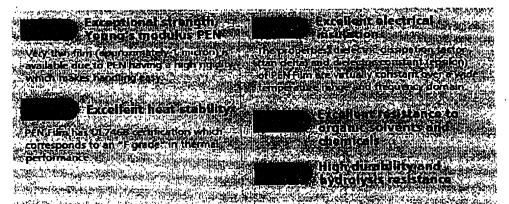
Product Outline

Teonex® is the world's first polyethylenenaphthalate (PEN) film developed and commercialized by Teijin.

Teonex® has many superior properties such as strength, heat resistance, anti-hydrolysis, dimensional stability, low oligomer extraction, etc. Teonex® is used for high density data storage tapes. It is also used in electronic components such as capacitors, motors, transformers, flexible printed circuits, and for optical purposes.

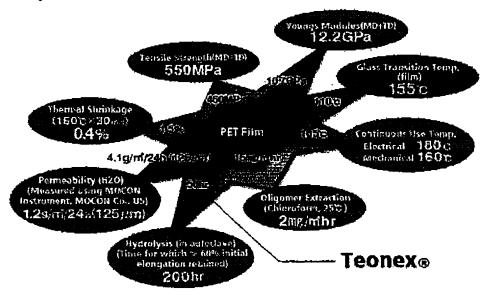






Top of page

Comparison between Teonexo and PET Film



Material Safety Data Sheet

Property	Film Type	Standard Thickness (micron)	Characteristics	Typical Applications	Full Download
Standard	Q51	12,16;25,38, 50,75,100, 125,168,250	Standard grade with good heat resistance and mechanical properties.	Insulation, Speaker, MTS, Packaging, Processing film	Made EAST
Adhesion	Q51DW	25,50	Pretreated on both sides for adhesion.	Insulation	MSDS Data Shect
Low heat shrinkage	Q81	25,38,50, 75,100,125	Very low heat shrinkage type treated by off- line process.	FPC, RFID	Eggs.
Super low heat shrinkage	Q83	25,50,75,125	Extremely low heat shrinkage type treated by off-line process. Capability for soldering	FPC, RFID, Heat registant label, processing film for semiconductor	Mads Data Shoot
Super clear	Q65F	100,125,200	Super clear type for optical uses. Excellent heat	ÖLED, electric paper, PV-cell	мяря

	Q65FA		stability		Chts.
Ultra thin	Q72	1.2-12.0	Uitra thin film with good handling properties.	Capacitors	Mana Sheet



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~	Statement	
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